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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV 26	MARPAT enhanced with FSORT command
NEWS	4	NOV 26	CHEMSAFE now available on STN Easy
NEWS	5	NOV 26	Two new SET commands increase convenience of STN searching
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NEWS	7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
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NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
NEWS	15	FEB 11	WTEXTILES reloaded and enhanced
NEWS	16	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS EXPRESS	JUNE 27 08		CURRENT WINDOWS VERSION IS V8.3, AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

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\* \* \* \* \* STN Columbus \* \* \* \* \*

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=> file medline embase biosis caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'MEDLINE' ENTERED AT 13:15:54 ON 03 MAR 2009

FILE 'EMBASE' ENTERED AT 13:15:54 ON 03 MAR 2009

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=> s (FSH or follicle(W)stimulating(W)hormone or gonadotropin or gonadotrophin)

L1 338605 (FSH OR FOLLICLE(W) STIMULATING(W) HORMONE OR GONADOTROPIN OR  
GONADOTROPHIN)

=> s l1 and (purify or purification and recombinant)

L2 513 L1 AND (PURIFY OR PURIFICATION AND RECOMBINANT)

=> s l2 and (ION(W) EXChANGE) AND (METAL(W)ION or affinity) AND (HYDROPHOBIC)

L3 5 L2 AND (ION(W) EXCHANGE) AND (METAL(W) ION OR AFFINITY) AND  
(HYDROPHOBIC)

=> dup rem l3

PROCESSING COMPLETED FOR L3

L4 3 DUP REM L3 (2 DUPLICATES REMOVED)

=> dis ibib abs l4 1-3

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:471819 CAPLUS

DOCUMENT NUMBER: 144:461281

TITLE: Method for purifying human FSH using  
chromatography

INVENTOR(S): Valax, Pascal; Wenger, Pierre; Stanley, Anne;  
Delegrange, Lydia; Capponi, Luciano

PATENT ASSIGNEE(S): Ares Trading S.A., Switz.

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND DATE

APPLICATION NO.

DATE

WO 2006051070	A1	20060518	WO 2005-EP55815	20051108
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005303818	A1	20060518	AU 2005-303818	20051108
CA 2579131	A1	20060518	CA 2005-2579131	20051108
EP 1809663	A1	20070725	EP 2005-815953	20051108
EP 1809663	B1	20080917		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, YU				
CN 101087805	A	20071212	CN 2005-80037591	20051108
JP 2008519010	T	20080605	JP 2007-539590	20051108
AT 408624	T	20081015	AT 2005-815953	20051108
BR 2005017973	A	20081021	BR 2005-17973	20051108
ES 2312037	T3	20090216	ES 2005-815953	20051108
IN 2007DN01951	A	20070817	IN 2007-DN1951	20070313
US 20080070832	A1	20080320	US 2007-575833	20070322
KR 2007083618	A	20070824	KR 2007-707365	20070330
MX 2007005327	A	20070802	MX 2007-5327	20070503
NO 2007002863	A	20070605	NO 2007-2863	20070605
PRIORITY APPLN. INFO.:			EP 2004-105639	A 20041109
			US 2004-628717P	P 20041117
			WO 2005-EP55815	W 20051108

AB The invention relates to a method for purifying recombinant human FSH or an FSH variant starting from crude FSH, comprising the following steps : 1. dye-affinity chromatog.; 2. hydrophobic interaction chromatog.; and 3. reverse phase chromatog. The method may further comprise an anion-exchange chromatog. step. Compns. containing the purified FSH for treating fertility disorders are also claimed.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2005:612336 CAPLUS  
 DOCUMENT NUMBER: 143:131925  
 TITLE: Method for purifying FSH using chromatography  
 INVENTOR(S): Rossi, Mara  
 PATENT ASSIGNEE(S): Ares Trading S. A., Switz.  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063811	A1	20050714	WO 2004-EP14347	20041216
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004309040 A1 20050714 AU 2004-309040 20041216  
 CA 2544333 A1 20050714 CA 2004-2544333 20041216  
 EP 1697412 A1 20060906 EP 2004-803960 20041216

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, BA, HR, IS, YU

CN 1890265 A 20070103 CN 2004-80036591 20041216  
 BR 2004017992 A 20070427 BR 2004-17992 20041216  
 JP 2008500273 T 20080110 JP 2006-546007 20041216  
 MX 2006005584 A 20060725 MX 2006-5584 20060517  
 KR 2006135656 A 20061229 KR 2006-711610 20060613  
 US 20070129295 A1 20070607 US 2007-581172 20070206

PRIORITY APPLN. INFO.: EP 2003-104925 A 20031222  
 WO 2004-EP14347 W 20041216

AB The invention provides a method for purifying recombinant human FSH or an FSH variant, comprising the steps: (1) ion exchange chromatog.; (2) immobilized metal ion chromatog.; (3) hydrophobic interaction chromatog. which may be carried out in any order.

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 3 MEDLINE on STN DUPLICATE 1

ACCESSION NUMBER: 2004077010 MEDLINE

DOCUMENT NUMBER: PubMed ID: 14965762

TITLE: Hyperexpression and purification of biologically active human luteinizing hormone and human chorionic gonadotropin using the methylotropic yeast, *Pichia pastoris*.

AUTHOR: Gadkari Rupali; Deshpande Rahul; Dighe Rajan R

CORPORATE SOURCE: Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore 560012, India.

SOURCE: Protein expression and purification, (2003 Dec) Vol. 32, No. 2, pp. 175-84.

Journal code: 9101496. ISSN: 1046-5928.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

(RESEARCH SUPPORT, NON-U.S. GOV'T)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 200404

ENTRY DATE: Entered STN: 18 Feb 2004

Last Updated on STN: 16 Apr 2004

Entered Medline: 15 Apr 2004

AB The glycoprotein hormones, luteinizing hormone (LH), human chorionic gonadotropin (hCG), thyroid stimulating hormone (TSH), and follicle stimulating hormone (FSH), play important roles in overall physiology and reproduction. These hormones are heterodimeric molecules consisting of an identical alpha subunit non-covalently associated with the hormone-specific beta subunit. The inherent structural intricacies possessed by these hormones make them very interesting model systems for structure-function relationship studies

of complex dimeric glycoproteins. The structural studies, as well as, the therapeutic applications require large quantities of biologically active hormones free of any contaminants. In this study, we report hyperexpression and purification of biologically active recombinant hLH and hCG expressed using *Pichia pastoris* expression system. A combination of hydrophobic interaction chromatography and ion exchange chromatography has been used to purify these recombinant hormones to homogeneity. Using a number of biochemical and immunological criteria, the recombinant hormones have been shown to be similar to the natural hormones and were equally biologically active. The preliminary data also suggested that *P. pastoris* cells express a low molecular weight isoform of hCG that appeared to be less glycosylated. This isoform exhibited lesser affinity for the receptor as compared to hCG, but was found to be fully biologically active.

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

45.89 46.11

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL

ENTRY SESSION

-1.64 -1.64

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